AMENDMENT

IN THE CLAIMS:

1. (CURRENTLY AMENDED) A lock mechanism for a latch in a vehicle door, the lock mechanism comprising:

a lock link;

a lock actuator drivingly coupled to the lock link for movement of the lock link between a first lock link position corresponding to a locked state of the latch and a second lock link position corresponding to an unlocked state of the latch;

a superlock link slidably mounted with respect to the lock link;

a superlock actuator drivingly coupled to the superlock link, wherein the superlock link is slidable with respect to the lock link between a first superlock link position corresponding to a superlocked state of the latch and a second superlock link position corresponding to a non-superlocked state of the latch;

a fixed abutment formation, wherein the superlock link contacts the fixed abutment formation when the superlock link is in the first superlock link position; and

an inside lock lever arranged for transmission of a locking input from a sill button, wherein the fixed abutment formation and the inside lock lever are positioned in a predetermined relative location and are mounted to allow movement of the lock link between the first lock link position and the second lock link position when the superlock link is in the second superlock link position, and to ~~prevent~~ block movement of the lock link between the first lock link position and the second lock link position when the superlock link is in the first superlock link position to place the latch in the superlocked state when an input from the inside lock lever occurs.

2. (PREVIOUSLY PRESENTED) The lock mechanism according to Claim 1 wherein a relative position of the inside lock lever and the superlock link create a wedged blocking action when the superlock link is in the first superlock link position to prevent movement of the lock link between the first lock link position and the second lock link position.

3. (PREVIOUSLY PRESENTED) The lock mechanism according to Claim 1 wherein the superlock link is moveable with the lock link.

4. (ORIGINAL) The lock mechanism according to Claim 1 wherein the lock link is pivotally mounted.

5. (PREVIOUSLY PRESENTED) The lock mechanism according to Claim 4 further comprising a gear quadrant, wherein the lock link is fixed for rotation with the gear quadrant to transmit drive from the lock actuator.

6. (ORIGINAL) The lock mechanism according to Claim 4 wherein the inside lock lever is pivotally mounted.

7. (PREVIOUSLY PRESENTED) The lock mechanism according to Claim 6 wherein the inside lock lever and the lock link are pivotally mounted about a common axis.

8. (ORIGINAL) The lock mechanism according to Claim 4 wherein the superlock link is slidably mounted in a slot having a longitudinal axis extending substantially radially from an axis of rotation of the lock link.

9. (ORIGINAL) The lock mechanism according to Claim 1 wherein a lost motion connection is provided between the inside lock lever and the lock link.

10. (ORIGINAL) The lock mechanism according to Claim 1 wherein the superlock link comprises a pin.

11. (ORIGINAL) The lock mechanism according to Claim 10 wherein the superlock link comprises two pins having substantially parallel longitudinal axes.

12. (CURRENTLY AMENDED) The lock mechanism according to Claim 1 wherein the inside lock lever ~~has~~ includes an angled edge that contacts the superlock link when the superlock link is in the first superlock link position.

13. (PREVIOUSLY PRESENTED) The lock mechanism according to Claim 1 wherein the fixed abutment formation is angled relative to a path of movement of the superlock link between the first superlock link position and the second superlock link position.

14. (ORIGINAL) The lock mechanism according to Claim 1 further including a superlock arm that drivingly connects the superlock actuator to the superlock link.

15. (ORIGINAL) The lock mechanism according to Claim 14 wherein the superlock arm includes an arcuate slot that receives the superlock link.

16. (ORIGINAL) The lock mechanism according to Claim 1 wherein at least one of the lock actuator and the superlock actuator is a power actuator.

17. (CURRENTLY AMENDED) A latch comprising:

a latch chassis;

a lock mechanism including:

a lock link pivotally mounted to the latch chassis;

a lock actuator drivingly coupled to the lock link for movement of the lock link between a first lock link position corresponding to a locked state of the latch and a second lock link position corresponding to an unlocked state of the latch;

a superlock link slidably mounted on the lock link for radial movement with respect to the lock link and rotational movement together with the lock link;

a superlock actuator drivingly coupled to the superlock link, wherein the superlock link is slidable between a first superlock link position corresponding to a superlocked state of the latch and a second superlock link position corresponding to a non-superlocked state of the latch;

a fixed abutment formation provided at a fixed location with respect to the latch chassis, wherein the superlock link contacts the fixed abutment formation when the superlock link is in the first superlock link position; and

an inside lock lever, wherein the fixed abutment formation and the inside lock lever are positioned in a predetermined relative location and are mounted to allow movement of the lock link between the first lock link position and the second lock link position when the superlock link is in the second superlock link position, and to ~~prevent~~ block movement of the lock link between the first lock link position and the second lock link position when the superlock link is in the first superlock link position due to contact between the superlock link, the inside lock lever and the fixed abutment formation to place the latch in the superlocked state when an input from the inside lock lever occurs.

18. (WITHDRAWN AND CURRENTLY AMENDED) A child safety mechanism for a latch for a vehicle door, the child safety mechanism comprising:

an inside release link;

a wedge block; and

a wedge block support, wherein the wedge block is movable on the wedge block support between a first position wherein the inside release link is in a child safety off position and is actuable by a linkage from an inside door handle to allow the latch to be released, and a second position wherein wedging action of the wedge block places the inside release link in a child safety on position and prevents the inside release link from being actuated by the linkage.

19. (WITHDRAWN) The child safety mechanism according to Claim 18 wherein the wedge block support is selected from the group consisting of a retention plate and a latch housing.

20. (NEW) The lock mechanism according to Claim 1,

wherein the lock link and the inside lock lever are pivotally mounted about a common axis and a lost motion connection is provided between the lock link and the inside lock lever,

wherein the inside lock lever includes an angled edge to contact the superlock link when the superlock link is in the first superlock link position, and

wherein the fixed abutment formation is angled relative to a path of movement of the superlock link between the first superlock link position and the second superlock link position to block movement of the lock link when the input from the inside lock lever occurs while the superlock link is in the first superlock link position.